



CUSTOMER NO. 23932

Docket No.: 64659-00003USPX  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Enrico Alessi, et al.

Examiner: Not Yet Assigned

Application No.: 10/723323

Filed: November 26, 2003

Art Unit: N/A

For:  
METHOD OF ANALYSIS OF A TABLE OF DATA RELATING TO GENE EXPRESSION  
AND RELATIVE IDENTIFICATION SYSTEM OF CO-EXPRESSED AND CO-  
REGULATED GROUPS OF GENES

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: January 22, 2004 Signature: \_\_\_\_\_

(Margo Barbarash)

Applicant(s) have become aware of the following documents, cited in an European Search Report issued November 27, 2003, during the prosecution of international application no. EP 02/425791, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit(s) these documents for the Examiner's consideration. These documents are cited on the enclosed PTO Form SB/08, and a copy of the European Search Report and each document cited thereon are enclosed as well.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that such document is prior art. Moreover, Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.

The undersigned hereby certifies that each item contained in this Supplemental Information Disclosure Statement was cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 64659-00003USPX.

Dated: January 22, 2004

Respectfully submitted,

By 

Andre M. Szuwalski

Registration No.: 35,701

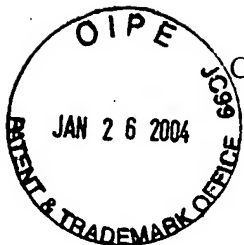
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**TRANSMITTAL LETTER**

Commissioner for Patents  
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Signature: 

(Margo Barbarash)

Enclosed are the following items for filing in connection with the above-referenced Patent Application:

1. Information Disclosure Statement (2 pages);
2. IDS (Citation) by Applicant, PTO/SB/08 (1 page);
3. References A1; B1; C1-7; and
4. Acknowledgment postcard.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 64659-00003USPX.

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ALTERNATIVE TO PTO/SB/08a/b (06-03)

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/723323
				Filing Date	November 26, 2003
				First Named Inventor	Enrico Alessi
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	64659-00003USPX

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-US2002/0156587	10-24-2002	Woolf, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	B1	WO-WO 02/093453	11-21-2002	X-Mine, Inc.		

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	C1	Getz, et al., "Coupled two-way clustering analysis of gene microarray data", Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, US, vol. 97, no. 22, October 24, 2000, pps. 12079-12084, XP002953907, ISSN: 0027-8424.			
	C2	D'Haeseleer, et al., "Genetic network inference: from co-expression clustering to reverse engineering", Bioinformatics, Oxford University Press, Oxford, GB, vol. 16, no. 8, August 2000, pps. 707-726, XO00108839, ISSN: 1367-4803.			
	C3	Tavazoie, et al., "Systematic determination of genetic network architecture", Nature Genetics, Nature America, New York, US, vol. 22, July 1999, pps. 281-285, XP002953903, ISSN: 1061-4036.			
	C4	Tamayo, et al., "Interpreting patterns of gene expression with self-organizing maps: Methods and application to hematopoietic differentiation", Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, US, vol. 96, March 1999, pps. 2907-2912, XP000942169, ISSN: 0027-8424.			
	C5	Yeung, et al., "Clustering gene-expression data with repeated measurements", Genome Biology 2003, 4:R34, <a href="http://genomebiology.com/2003/4/R34">http://genomebiology.com/2003/4/R34</a> .			
	C6	Woolf, et al., "A fuzzy logic approach to analyzing gene expression data", Physiol Genomics, vol. 3, pps. 9-15, 2000, <a href="http://physiolgenomics.physiology.org">http://physiolgenomics.physiology.org</a> .			
	C7	European Search Report, EP 02/425791, dated November 27, 2003.			

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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